

THE FOLLOWING GRADED BEDDING MATERIAL MAY BE USED IN WET TRENCHES:

| U.S. STANDARD SIEVE SIZE | PERCENT BY WEIGHT PASSING |
|-----------------------------|------------------------------|
| 1.5" | 100% |
| 1" | 50-90% |
| 3/4" | 30-70% |
| 3/8" | 10-40% |
| #4 | 5-25% |
| #200 | 0-10% |

THE FOLLOWING GRADED BEDDING MATERIAL MUST BE USED IN DRY TRENCHES ONLY:

| U.S. STANDARD SIEVE SIZE | PERCENT BY WEIGHT PASSING |
|-----------------------------|------------------------------|
| 1/2" | 100% |
| #4 | 90-100% |
| #16 | 30-75% |
| #200 | 0-10% |

SEE NOTES ON PAGE 2

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|----------------------------|
| | | | TYPICAL SEWER TRENCH | DATE: DRAFT |
| | | | | DWG: C01 |
| | | | | |
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NOTES:

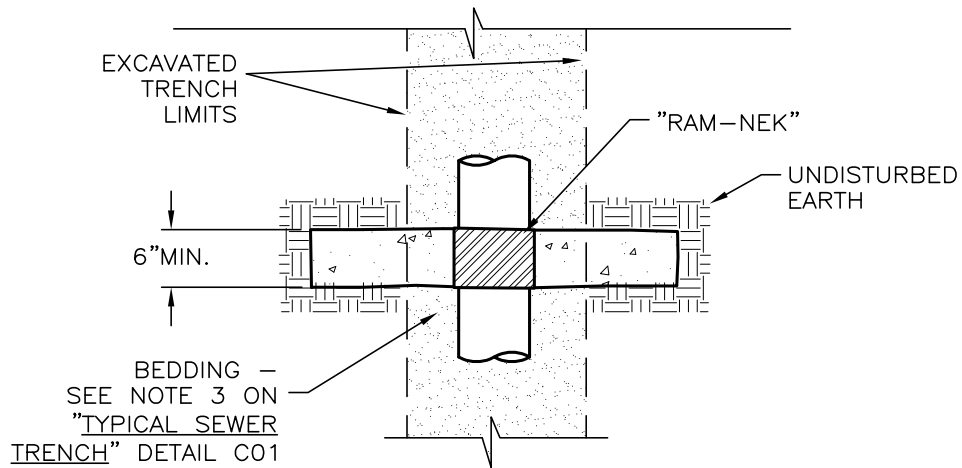
1. ALL REQUIREMENTS OF THE SEWER UTILITY ORDINANCE MUST BE MET.
2. ANY VARIATION IN BEDDING GRADATIONS SHALL ONLY BE ALLOWED IF GRADATION OF ALTERNATIVE MATERIAL IS SUBMITTED TO AND APPROVED BY THE SEWER UTILITY ENGINEER PRIOR TO CONSTRUCTION.
3. TYPE 2 CLASS B AGGREGATE BASE SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AND SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 308.05 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
4. CLASS A, CLASS B AND CLASS E BACKFILL AND BEDDING MATERIAL SHALL CONFORM TO SECTION 200 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. BEDDING AND BACKFILL SHALL BE MECHANICALLY COMPACTED IN CONFORMANCE WITH SECTION 305.10 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. PLACE WARNING TAPE 1-FOOT ABOVE SEWER PIPE. WARNING TAPE SHALL READ "CAUTION SEWER MAIN".
6. SEWER PIPE COLOR SHALL BE GREEN FOR GRAVITY SEWER AND PURPLE FOR RECLAIMED WATER.
7. 12 GAUGE COPPER-CLAD STEEL WIRE WITH HDPE COATING. SPLICES SHALL BE SNAKEBITE NON-LOCKING TWIST CONNECTOR, SNAKEBITE 3-WAY CONNECTOR OR AS APPROVED BY SEWER UTILITY.
8. GRADED BEDDING MATERIAL AS DESCRIBED IN TABLE. COMPACT OR CONSOLIDATE TO PROVIDE PROPER SUPPORT OF PIPE.
9. IF 3/4" DRAIN ROCK OR SIMILAR MATERIAL IS USED, CONTRACTOR SHALL WRAP GEOTEXTILE AROUND GRADED BEDDING.

FORCE MAIN NOTES:

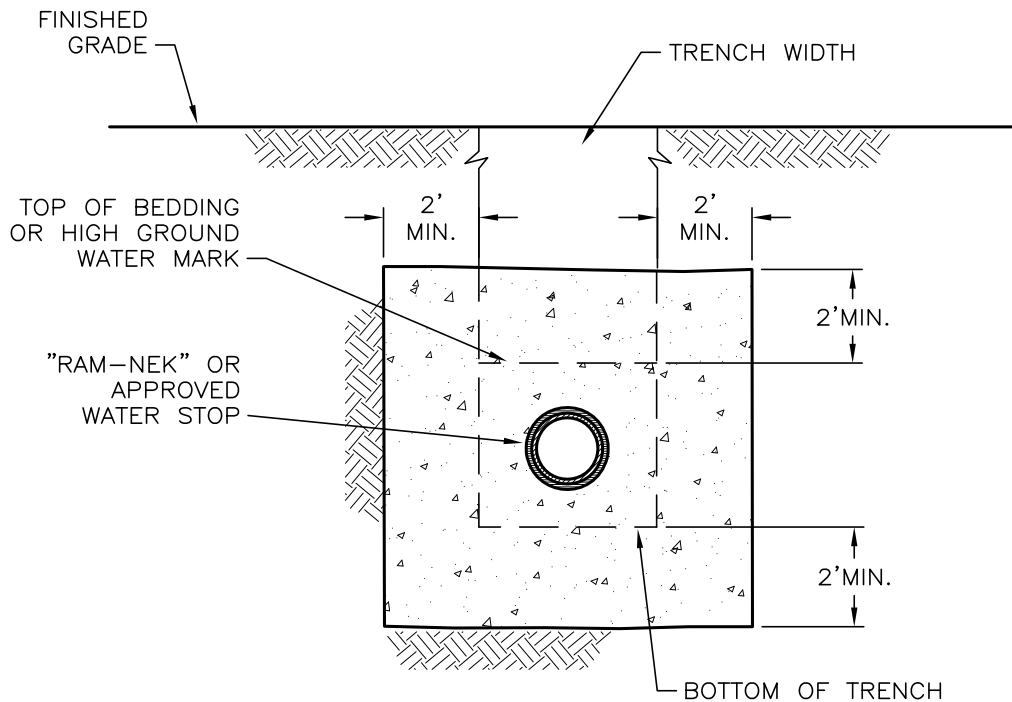
1. CONSTRUCTION WITHIN DOUGLAS COUNTY RIGHT-OF-WAY MUST BE DONE IN CONFORMANCE WITH THE DOUGLAS COUNTY DESIGN CRITERIA AND IMPROVEMENT STANDARDS MANUAL DIVISION 2 - STREETS AND TRAFFIC, CHAPTER 20.830 SITE IMPROVEMENT PERMITS, AND CHAPTER 20.840 ENCROACHMENT PERMITS AS APPLICABLE. WORK IN THE STATE RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT ISSUED BY THE NEVADA DEPARTMENT OF TRANSPORTATION.
2. ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. FORCE MAIN BEDDING MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF CLASS A BACKFILL AS SPECIFIED IN SUBSECTION 200.03.02 OF THE ORANGE BOOK. MATERIAL SHALL BE DENSIFIED TO 90% RELATIVE COMPACTION.
4. BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF CLASS E BACKFILL AS SPECIFIED IN SUBSECTION 200.03.06 OF THE ORANGE BOOK. MATERIAL SHALL BE PLACED IN LIFT THICKNESS SPECIFIED IN SUBSECTION 305.10 OF THE ORANGE BOOK AND DENSIFIED TO 90% RELATIVE COMPACTION.
5. ALL EXCAVATIONS SHALL CONFORM TO THE MOST RECENT OSHA REQUIREMENTS. SHORING OR SLOPED CUT MAY BE NECESSARY, BUT THERE WILL BE NO PAYMENT FOR ADDITIONAL EXCAVATION, BEDDING, BACKFILL, OR SHORING.
6. INSTALL IDENTIFICATION TAPE MARKED "FORCE MAIN".
7. FORCE MAIN SHALL HAVE A MINIMUM OF 4 FEET OF COVER MEASURED FROM PROPOSED FINISH GRADE TO TOP OF PIPE.

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | TYPICAL SEWER TRENCH | DATE: DRAFT |
| | | | | DWG: C01 |
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PLAN



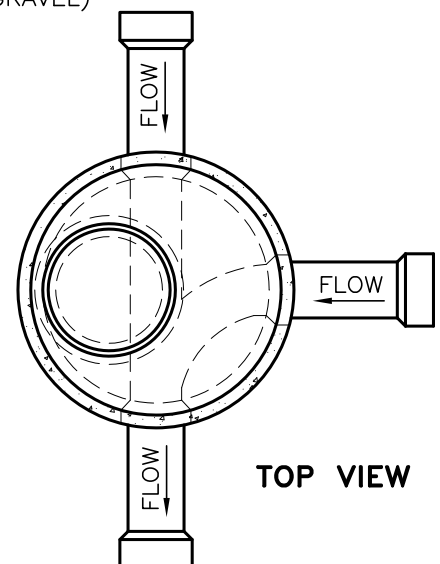
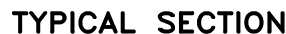
SECTION

NOTES:

1. WATER STOPS SHALL BE CONSTRUCTED AT 200-FOOT MAXIMUM SPACING IN GROUND WATER CONDITIONS AND WHERE CLASS C BACKFILL AS BEDDING IS USED, AS DIRECTED BY SEWER UTILITY.
2. WRAP PIPE WITH "RAM-NEK" OR EQUIVALENT WHERE PIPE IS EXPOSED TO CONCRETE PRIOR TO POURING.
3. USE LIGHT CONCRETE SLURRY BACKFILL TYPE A PER ORANGE BOOK 337.08.01-1. IF DRYWALL IS USED FOR CONCRETE FORMS, IT MAY BE LEFT IN PLACE.

PAGE 1 OF 1

| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: |
|-----|----------|------|-----------------------------------------------|-----------------------|
| | | | WATER STOP | DOUGLAS COUNTY |
| | | | | DATE: DRAFT |
| | | | | DWG: C02 |
| | | | | |



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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: |
|-----|----------|------|-----------------------------------------------|----------------|
| | | | SANITARY SEWER MANHOLE | DOUGLAS COUNTY |
| | | | | DATE: DRAFT |
| | | | | DWG: C03 |
| | | | | |

NOTES:

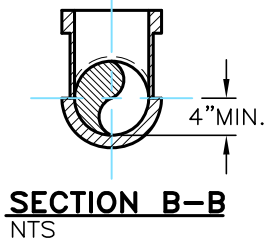
1. CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE SEWER UTILITY AND ALL OTHER UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.
2. ALL CONSTRUCTION SHALL CONFORM TO SEWER UTILITY'S STANDARDS AND NO BACKFILLING WILL BE ALLOWED UNTIL INSPECTED AND APPROVED.
3. MANHOLE SHALL BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE SECTIONS CONFORMING TO ASTM DESIGNATION C478.
4. EXCAVATION FOR MANHOLE MUST BE MADE TO A MINIMUM OF 1-FOOT OUTSIDE OF THE MANHOLE WALL TO PROVIDE FOR ADEQUATE WORKSPACE. SPACE OUTSIDE OF THE MANHOLE SHALL BE BACKFILLED WITH ACCEPTABLE MATERIAL IN UNIFORM LAYERS NOT EXCEEDING 12-INCHES IN DEPTH. EACH LAYER SHALL BE THOROUGHLY COMPACTED TO THE DENSITY OF THE EARTH IN THE ADJACENT TRENCH SECTIONS. (MIN. 90% IN EXISTING OR PROPOSED STREET OR ALLEY RIGHTS-OF-WAY).
5. CAST IRON FRAME AND COVER SHALL BE 24-INCH DIAMETER (CLEAR OPENING) AND SHALL BE MANUFACTURED FROM GRAY CAST IRON CONFORMING TO ASTM DESIGNATION: A 48, CLASS 30 AND DESIGNED FOR A MINIMUM HS-20 TRAFFIC LOADING. COVERS AND FRAMES SHALL BE MATCH-MARKED IN PAIRS AND SEATING SURFACES MACHINED SO THAT COVER IS NON-ROCKING. COVERS SHALL HAVE ONE PICK HOLE, AND ONE CENTRALLY LOCATED 1-INCH DIG HOLE. COVERS SHALL HAVE NO "THRU" HOLES.
6. ALL BASES MUST BE PRECAST UNLESS OTHERWISE APPROVED BY THE SEWER UTILITY.
7. ALL LIFTING HOLES, JOINTS AND OTHER IMPERFECTIONS SHALL BE FILLED WITH NON-SHRINK GROUT. ALL JOINTS AND CONNECTIONS TO NEW OR EXISTING MANHOLES SHALL BE WATERTIGHT.
8. CONCRETE FOR CAST-IN-PLACE MANHOLE BASE, IF APPROVED BY THE SEWER UTILITY FOR USE, SHALL CONFORM TO SECTION 202 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
9. SEWER STUBS FOR FUTURE EXTENSION SHALL BE NO MORE THAN 5-FEET IN LENGTH.
10. THE TOP OF INCOMING LATERAL SEWERS SHALL ENTER THE MANHOLE AT AN ELEVATION EQUAL TO THE TOP OF THE MAIN LINE. EXCEPTIONS ONLY BY PRIOR SEWER UTILITY APPROVAL.
11. INVERTS SHALL BE FORMED DIRECTLY IN CONCRETE OF MANHOLE BASE AND SHALL BE SMOOTH AND ACCURATELY SHAPED TO A SEMI-CIRCULAR BOTTOM CONFORMING TO THE INSIDE OF THE ADJACENT SEWER SECTION. MAINTAIN SLOPE OF ADJACENT PIPELINE ACROSS THE MANHOLE BASE.
12. STEPS ARE REQUIRED WHERE MANHOLE DEPTH IS 54-INCHES (4'-6") OR GREATER; STEPS SHALL BE ALIGNED VERTICALLY (1-INCH MAX VERTICALLY) AND HORIZONTALLY (0.5" TOLERANCE) SO AS TO FORM A CONTINUOUS LADDER, AND SHALL CONFORM WITH THE DESIGN REQUIREMENTS OF THE STATE OF NEVADA, OSHA STANDARDS, SECTION 1910.27 (DEPTH IS RIM ELEV. TO TOP OF PIPE). STEPS SHALL BE STEEL REINFORCED POLYPROPYLENE.
13. WHERE MANHOLES ARE NOT LOCATED IN STREETS, PLACE TOP OF MANHOLE 8-INCHES ABOVE THE EXISTING GROUND UNLESS OTHERWISE REQUIRED BY THE SEWER UTILITY. INSTALL THE CONCRETE COLLAR FROM A POINT 6-INCHES OUTSIDE THE TOP OF THE COVER FRAME AND EXTEND A MINIMUM OF 24-INCHES BELOW THE SURROUNDING GROUND SURFACE. TAPER THE CONCRETE COLLAR FROM TOP TO BOTTOM AT A 1:1 SLOPE OR FLATTER.
14. PROVIDE 60-INCH DIAMETER OR LARGER MANHOLE FOR PIPES LARGER THAN 15-INCH DIAMETER.
15. WHERE GROUNDWATER CONDITIONS ARE PRESENT AND SEWER UTILITY REQUIRES, COAT EXTERIOR OF MANHOLE AS APPROVED BY SEWER UTILITY.
16. MANHOLES SHALL BE VACUUM TESTED PRIOR TO BACKFILL.

PAGE 2 OF 2

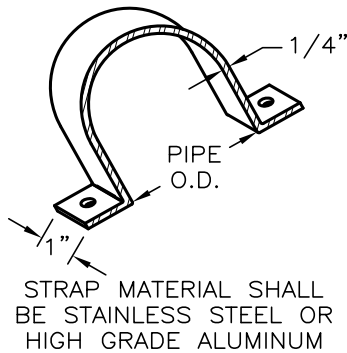
| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | SANITARY SEWER MANHOLE | DATE: DRAFT |
| | | | | DWG: C03 |
| | | | | |
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3" OR 6" ADJUSTING GRADE RING, MAX HEIGHT 12", AS REQUIRED TO MEET STREET ELEVATION

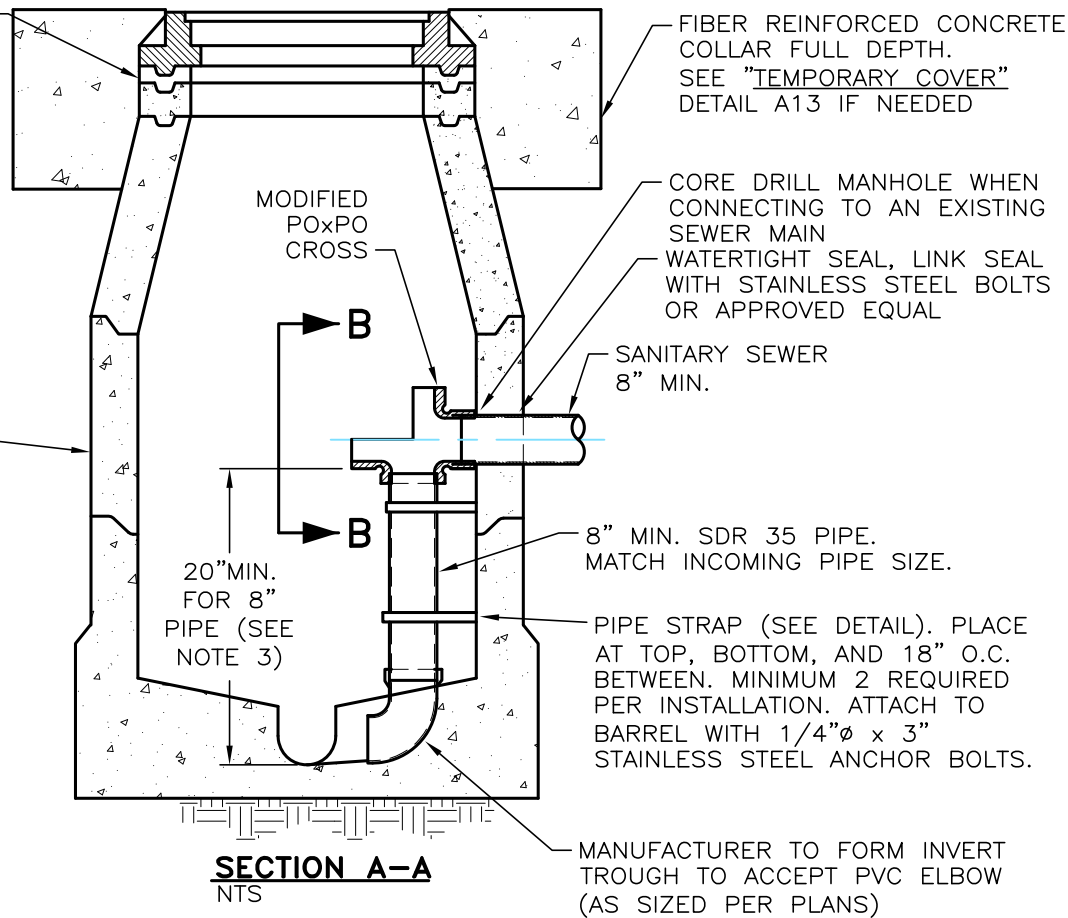
FIBER REINFORCED CONCRETE COLLAR FULL DEPTH. SEE "TEMPORARY COVER" DETAIL A13 IF NEEDED



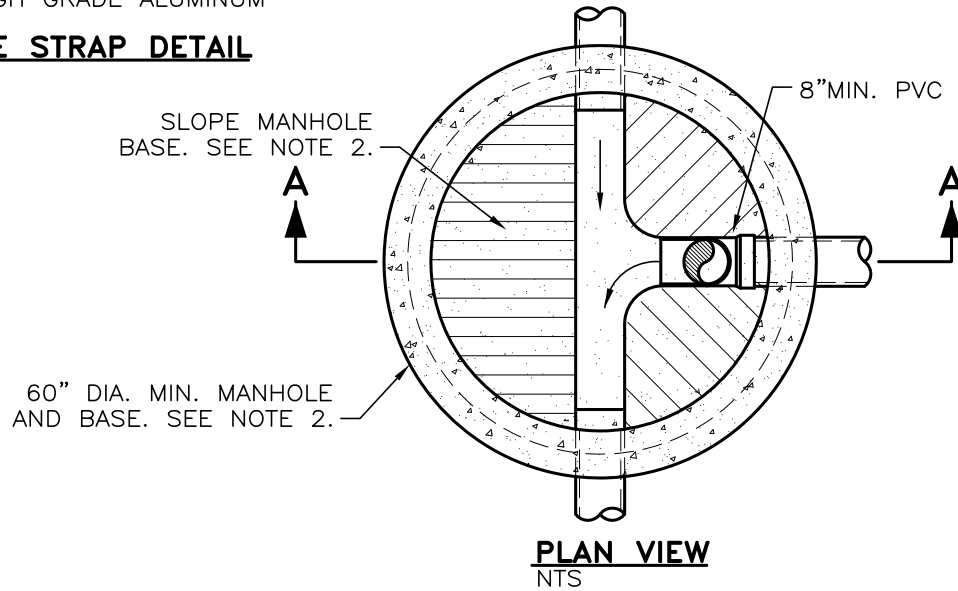
60" DIA. MIN. MANHOLE. SEE NOTE 2



STRAP MATERIAL SHALL BE STAINLESS STEEL OR HIGH GRADE ALUMINUM



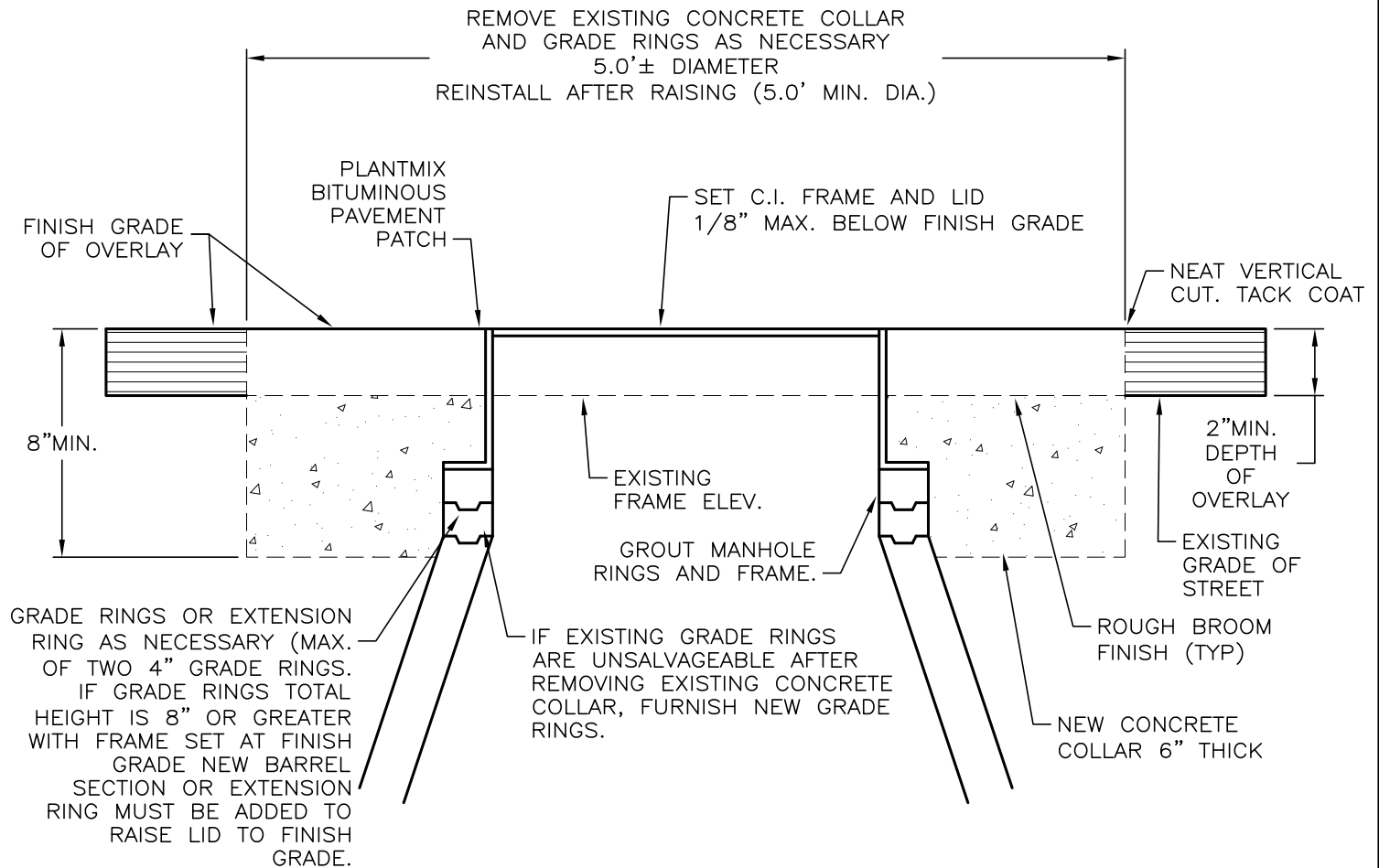
MANUFACTURER TO FORM INVERT TROUGH TO ACCEPT PVC ELBOW (AS SIZED PER PLANS)



NOTES:

1. USE OF A DROP MANHOLE REQUIRES APPROVAL FROM DOUGLAS COUNTY ENGINEER OR SEWER UTILITY.
2. SEE SANITARY SEWER MANHOLE DETAIL C03 FOR ADDITIONAL NOTES, DIMENSIONS AND DETAILS.
3. PROVIDE ADEQUATE PIPE LENGTH TO ALLOW FOR REMOVAL OF MODIFIED CROSS.

| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | DROP MANHOLE | DATE: DRAFT |
| | | | | DWG: C04 |
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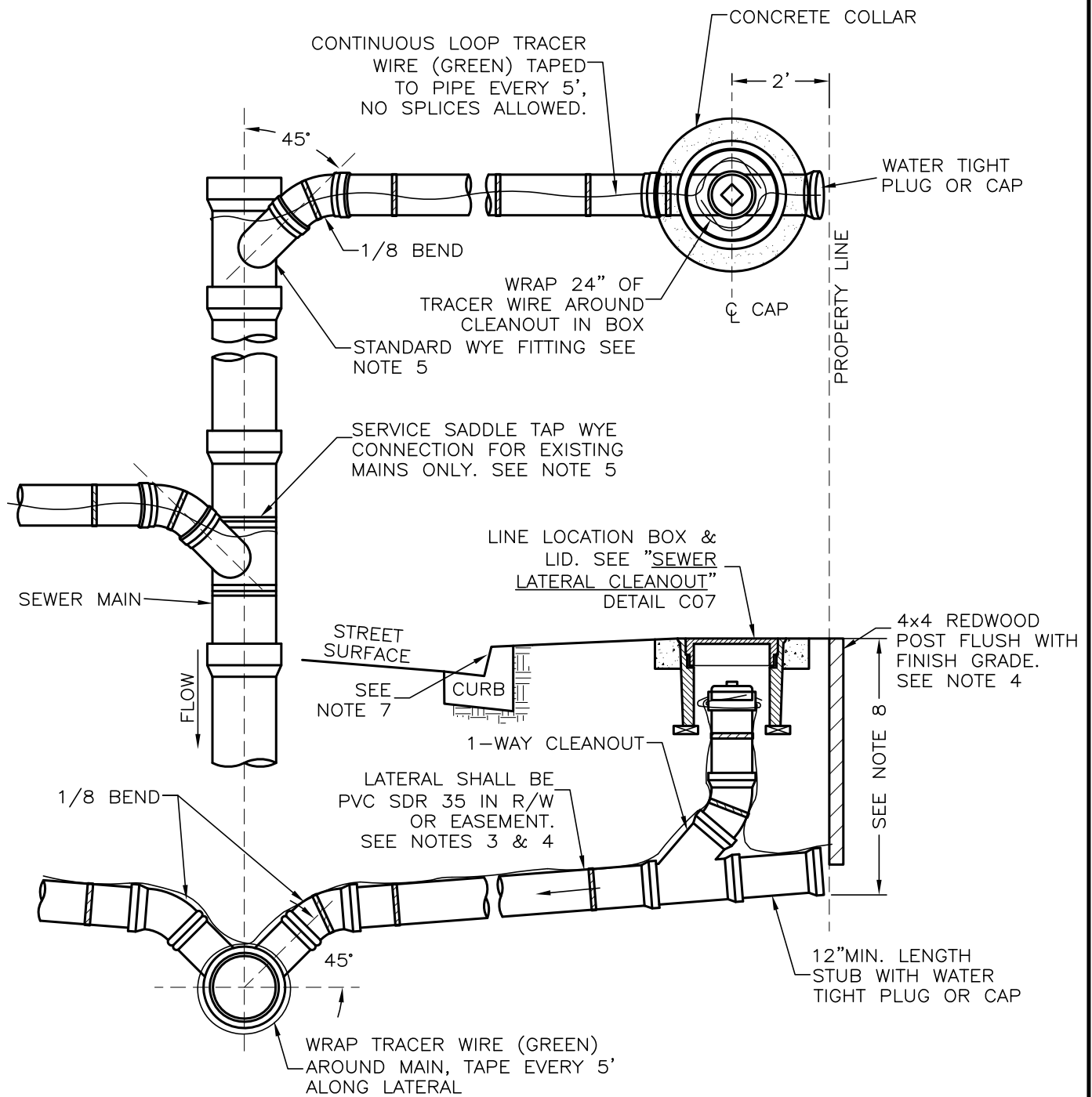


NOTES:

1. CONCRETE SHALL BE 4000 PSI AT 28 DAYS MIX.
2. IN ALL AREAS, LIDS SHALL BE SET FLUSH WITH FINISH GRADE UNLESS OTHERWISE NOTED.
3. CONTRACTOR MAY RAISE LIDS BEFORE OR AFTER OVERLAY AT HIS OPTION.
4. IF NEW BARREL SECTION IS ADDED ALL WORK SHALL CONFORM TO SANITARY SEWER MANHOLE DETAIL C03.
5. CONTRACTOR SHALL PREVENT DEBRIS FROM FALLING INTO SEWER AT ALL TIMES AND SHALL CLEAN ANY DEBRIS FROM MANHOLE AND LINES WHICH DOES FALL IN.

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | SANITARY SEWER MANHOLE RAISING | DATE: DRAFT |
| | | | | DWG: C05 |
| | | | | |
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TYPICAL SECTION

SEE NOTES ON PAGE 2

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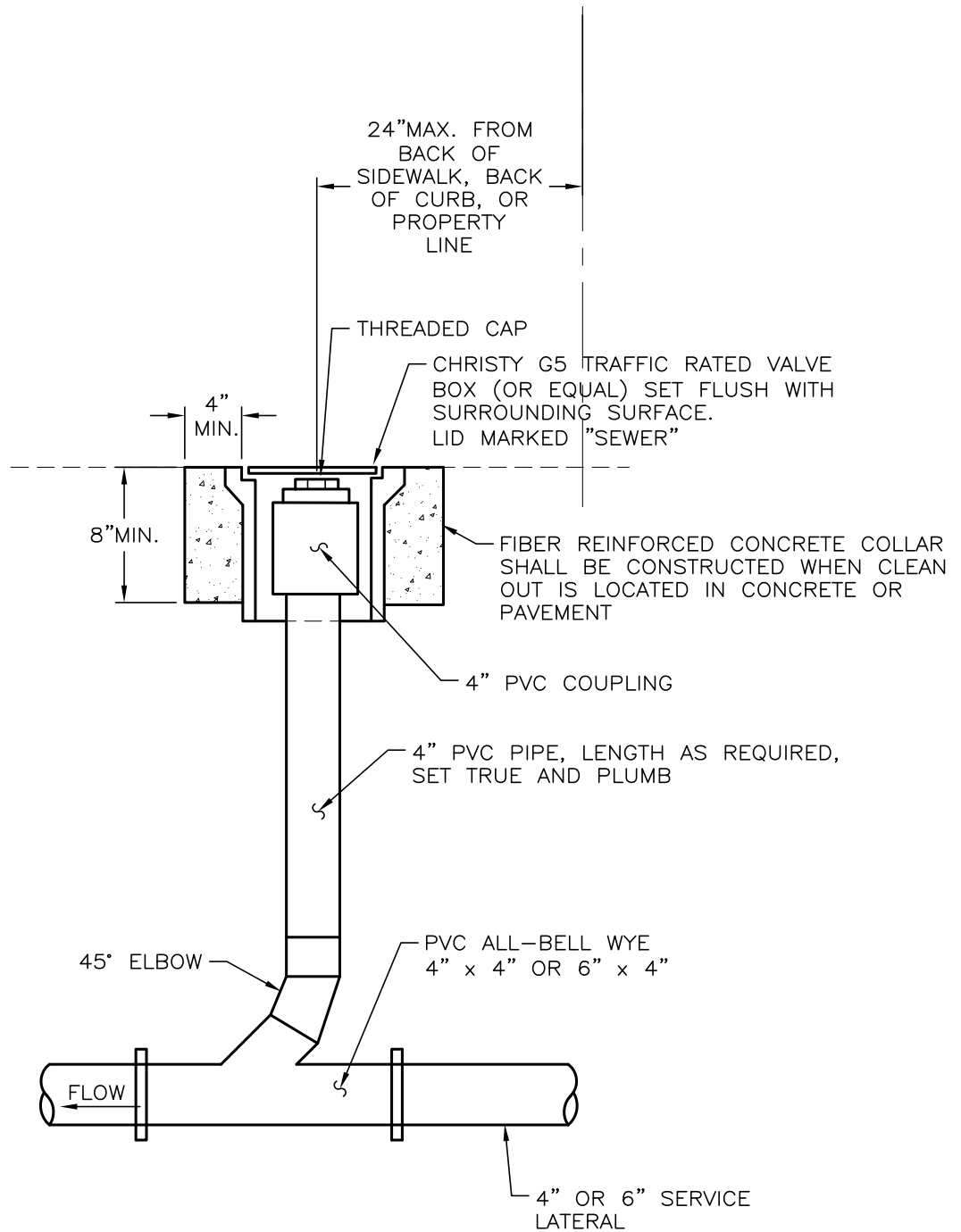
| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | SEWER LATERAL | DATE: DRAFT |
| | | | | DWG: C06 |
| | | | | |
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NOTES:

1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.
2. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%. PLANS SHALL INDICATE INVERT ELEVATION REQUIRED TO SERVE PROPERTY AND CLEAR UNDERGROUND OBSTRUCTIONS.
3. ALL JOINTS ON SEWER LATERAL PIPE WITHIN THE RIGHT-OF-WAY SHALL BE COMPRESSION TYPE. C900 PVC MAY BE SUBSTITUTED FOR SDR 35 TO MEET NDEP BSDW SEPARATIONS.
4. LATERAL SHALL BE PERPENDICULAR TO THE MAIN AND EXTEND TO PROPERTY LINE. WHEN SHOWN ON PLANS TO INSTALL BUILDING SEWER PRIOR TO PUBLIC UTILITIES, INSTALLATION OF BUILDING SEWER IS EXTENDED TO PUBLIC UTILITY EASEMENT LINE AND STANDARD WATERTIGHT PLUG OR CAP AND REDWOOD POST SHALL BE INSTALLED AT EASEMENT LINE.
5. USE OF SEWER SERVICE TAP SADDLE CONNECTIONS SHALL NOT BE ALLOWED FOR NEW SEWER MAIN CONSTRUCTION. WHEN A TAP SADDLE CONNECTION IS TO BE USED ON AN EXISTING SEWER MAIN, IT SHALL BE A WYE SADDLE AND BE INSTALLED PER "SEWER SERVICE SADDLE" DETAIL C07.
6. DISCONTINUANCE OF USE OF AN EXISTING SEWER LATERAL REQUIRES ABANDONMENT OF THE LATERAL. CUT, REMOVE 1 FOOT OF EXISTING LATERAL, AND CAP BOTH ENDS OF THE EXISTING SEWER LATERAL TO BE ABANDONED WITHIN 6 INCHES OF THE SEWER MAIN. INSPECTION BY DOUGLAS COUNTY SEWER UTILITY IS REQUIRED PRIOR TO BACKFILL.
7. A LETTER "S" SHALL BE STAMPED OR CHISELED INTO FACE OF CURB AT THE LOCATION OF THE LATERAL CROSSING THE CURB LINE, NOT LESS THAN 1-1/2" HIGH AND 3/16" DEEP.
8. MINIMUM DEPTH TO TOP OF CURB MEASURED AT LIP. SEE ALSO NOTE 2.

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | SEWER LATERAL | DATE: DRAFT |
| | | | | DWG: C06 |
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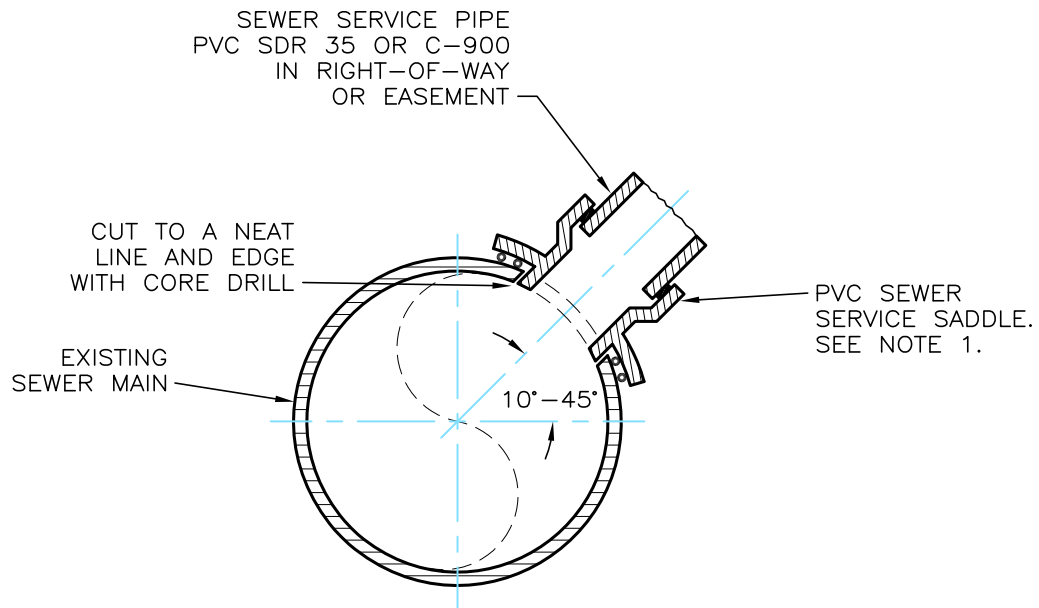
NOTE: ALL JOINTS AND CONNECTIONS SHALL BE WATERTIGHT.

NOTES:

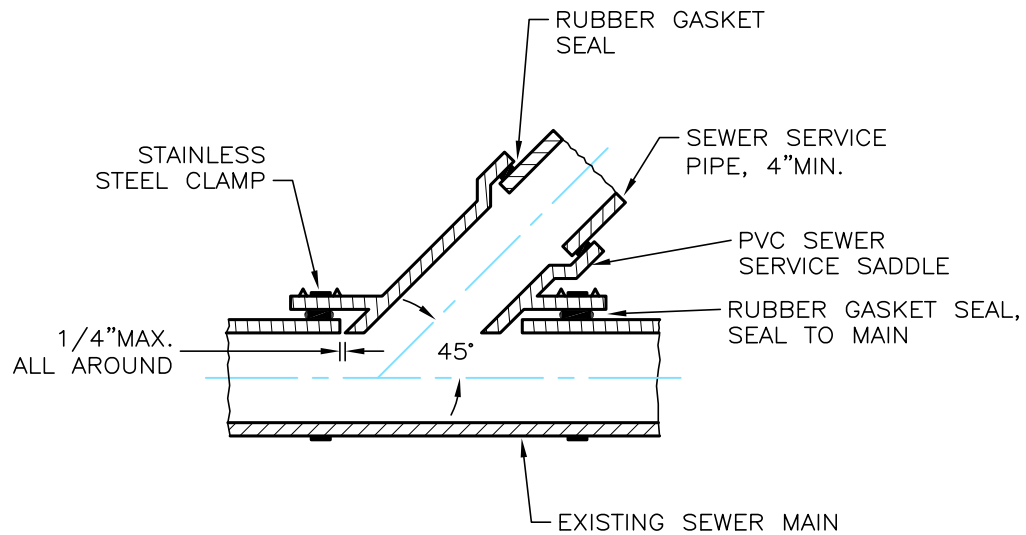
1. CLEANOUTS TO BE PLACED AT EVERY ANGLE GREATER THAN, OR EQUAL TO 45°, EVERY 150' OF LATERAL, AND WITHIN 5' OF BUILDING AND IN CONFORMANCE WITH THE CURRENT EDITION OF THE UNIFORM BUILDING CODE. CLEANOUTS INSTALLED AT ANGLES SHALL BE LOCATED ON THE UPSTREAM SIDE OF THE ANGLE. CLEANOUTS SHALL BE LOCATED AS CLOSE AS PRACTICAL TO THE ANGLE.

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | SEWER LATERAL CLEANOUT | DATE: DRAFT |
| | | | | DWG: C07 |
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FRONT VIEW



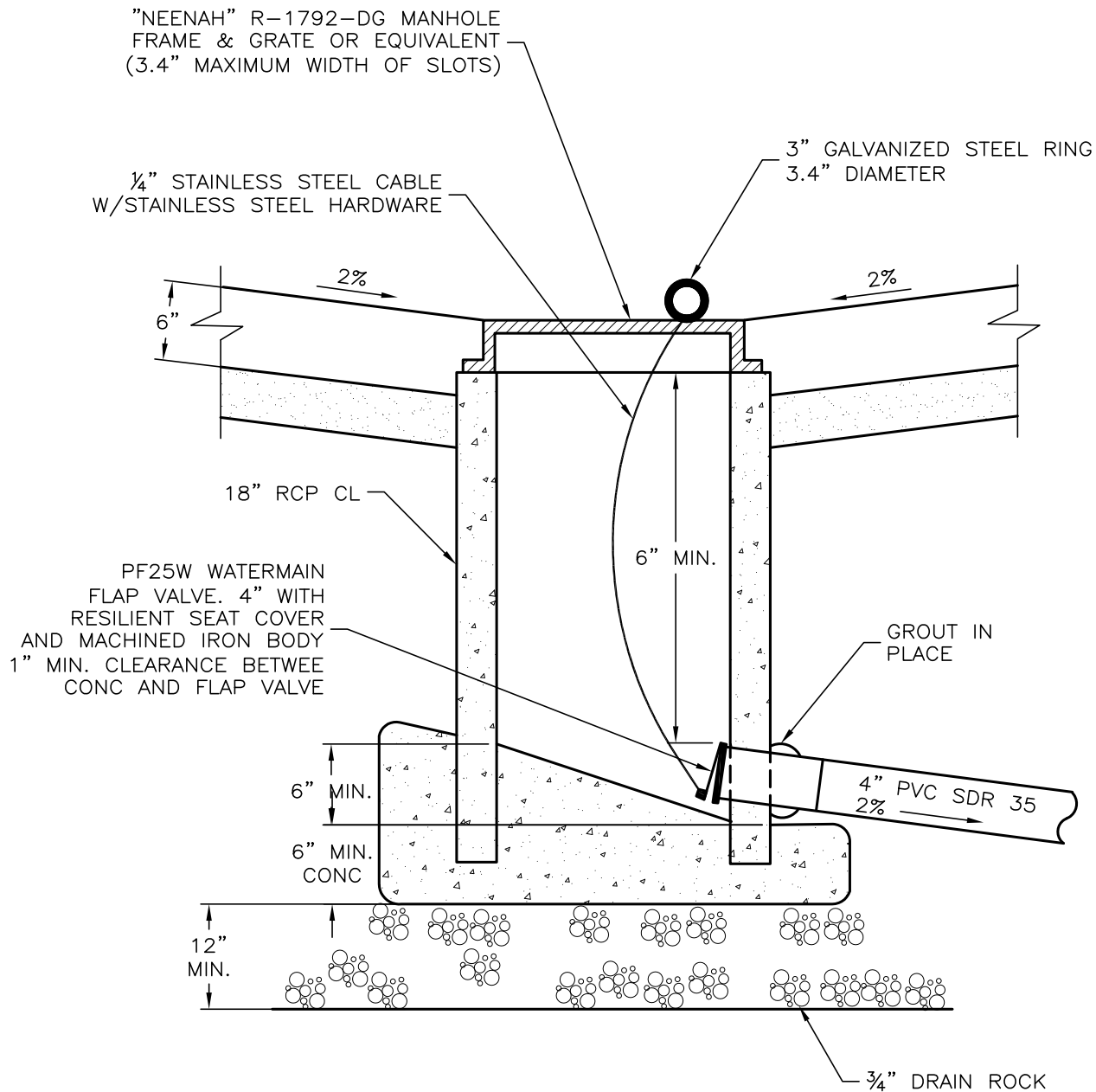
SIDE VIEW

NOTES:

1. SERVICE SADDLE PER SEWER UTILITY APPROVAL.

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | SEWER SERVICE SADDLE | DATE: DRAFT |
| | | | | DWG: C08 |
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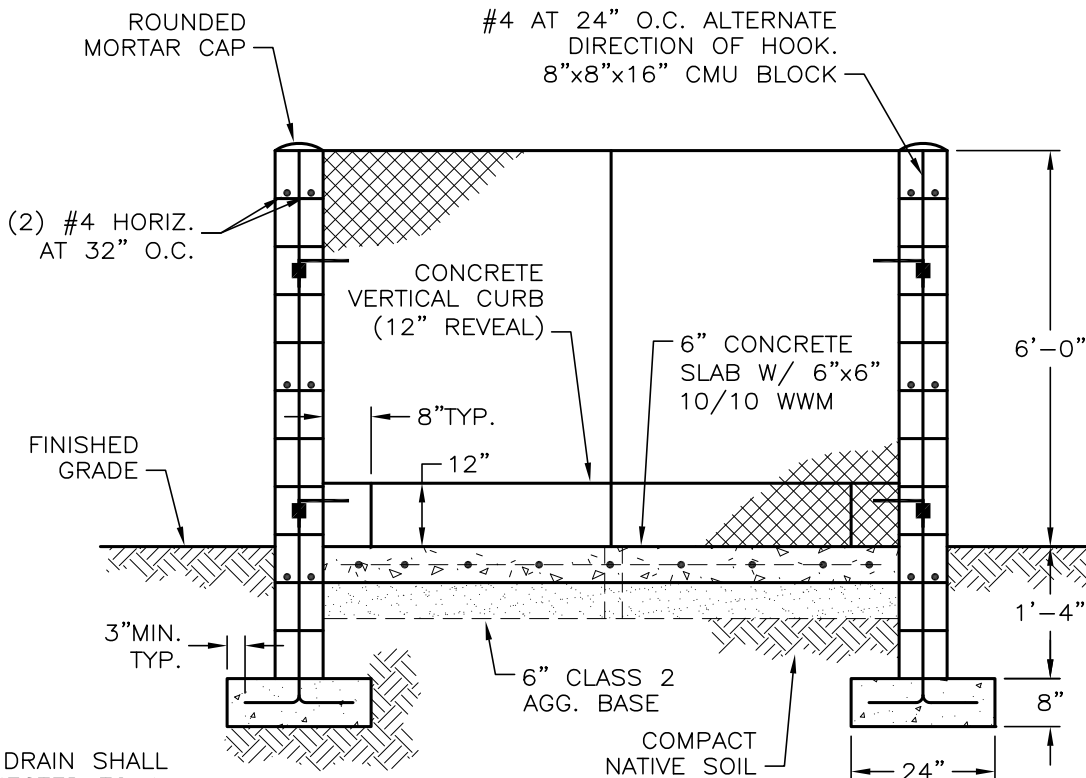
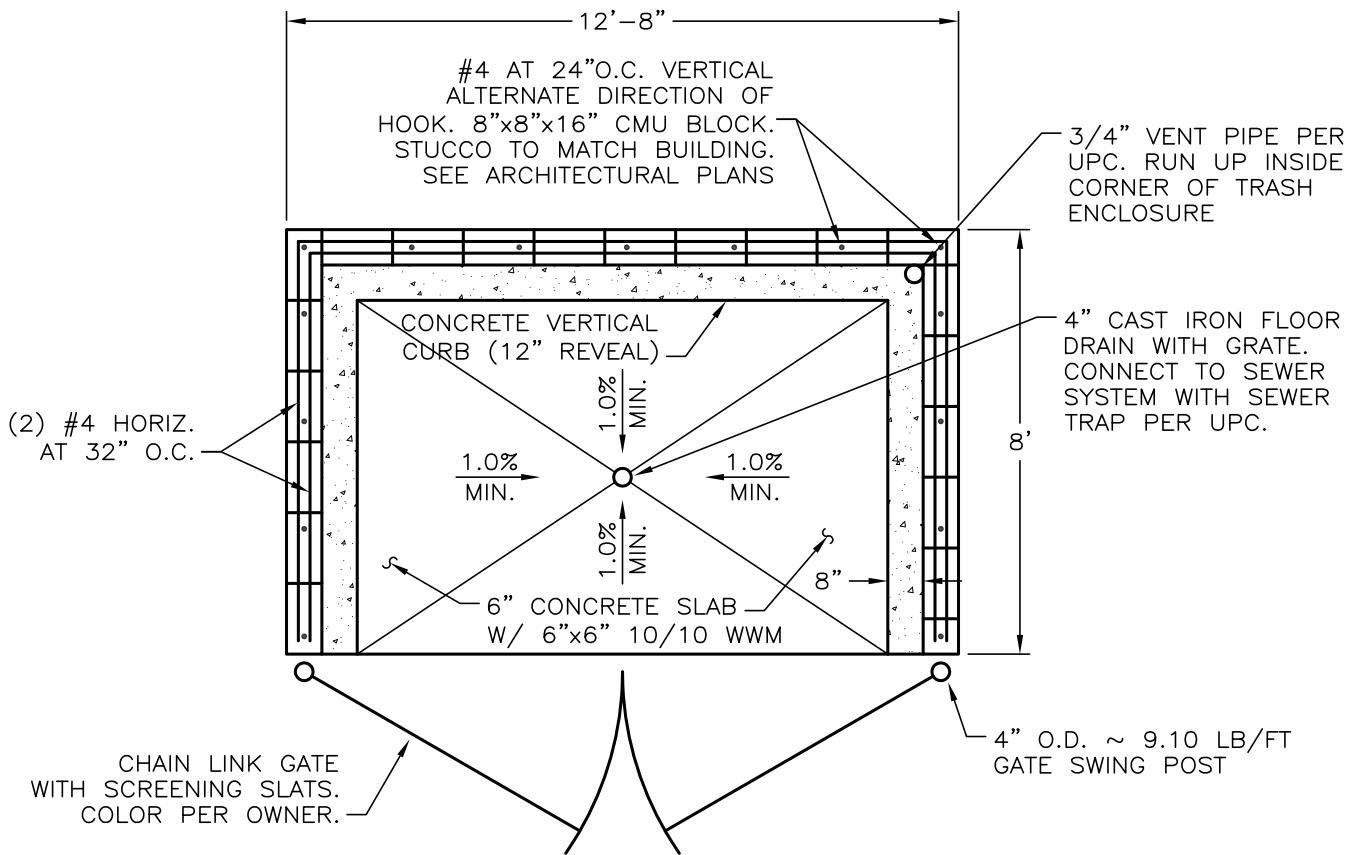


NOTES:

1. TRENCH DRAIN SHALL BE CONNECTED TO A GREASE INTERCEPTOR.
2. SIZE OF TRASH ENCLOSURE TO BE DETERMINED BY REFUSE UTILITY.
3. SCARIFY AND RECOMPACT TO 90% RELATIVE COMPACTION.
4. 4,000 PSI CONCRETE 4% TO 6% AIR ENTRAINMENT.

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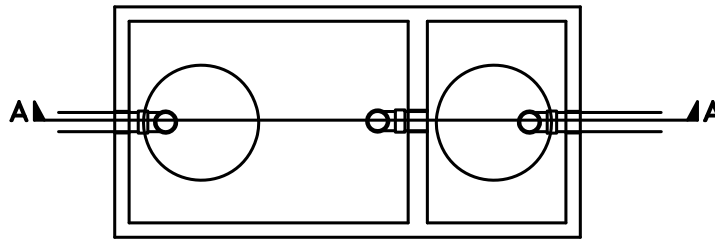
| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | DUMPSTER PAD DRAIN SYSTEM | DATE: DRAFT |
| | | | | DWG: C9 |
| | | | | |
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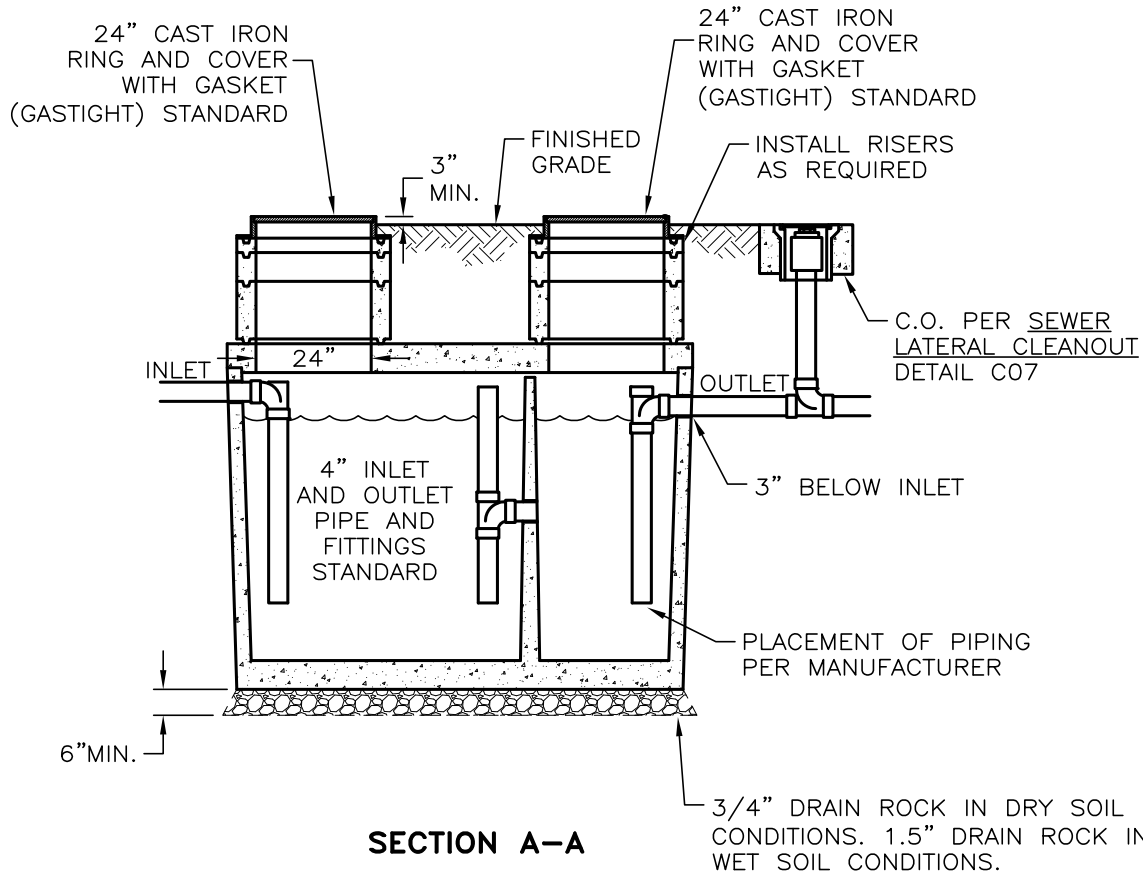
NOTE:
TRENCH DRAIN SHALL
BE CONNECTED TO A
GREASE INTERCEPTOR.

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| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | DUMPSTER PAD DRAIN SYSTEM | DATE: DRAFT |
| | | | | DWG: C10 |
| | | | | |
| | | | | |



PLAN VIEW
(COVERS & RISERS REMOVED)



SECTION A-A

NOTES:

1. INSTALL JENSEN PRECAST GREASE INTERCEPTORS (MODELS JP320EE-G THROUGH JP2000EE-G AND JZ2500EE-G THROUGH JZ5000EE-G) WITH H-20 TRAFFIC FROM 1' TO 6' SOIL COVER, OR APPROVED EQUAL.
2. REFER TO SEWER UTILITY REQUIREMENTS FOR MINIMUM SIZING.
3. ALL CONSTRUCTION PER SEWER UTILITY STANDARDS.
4. AVOID PLACING IN PARKING/AC AREAS. IF NECESSARY, PROVIDE DESIGN BY ENGINEER. MOUND IN PARKING/SW AREAS TO CHANNEL DRAINAGE AWAY FROM INTERCEPTOR. LIDS SHALL BE 1" ABOVE FG IN AC/CONCRETE AREAS AND 3" ABOVE FG IN LANDSCAPE AREAS.
5. DUMPSTER DRAINS SHALL BE ROUTED THROUGH GREASE INTERCEPTORS.

PAGE 1 OF 2

| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
|-----|----------|------|-----------------------------------------------|-----------------------------------|
| | | | GREASE INTERCEPTOR | DATE: DRAFT |
| | | | | DWG: C11 |
| | | | | |
| | | | | |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---|-----------------|---|----------------|-------|----------------|---------------------|
| Project: | | | Calculated By: | | | Date: | | |
| Address: | | | Company: | | | | | |
| Instructions: | | | | | | | | |
| The following formula is the Grease Interceptor Sizing Formula as defined per the Uniform Plumbing Code – Appendix H. Follow the steps to determine grease interceptor size. | | | | | | | | |
| | Number of Meals Per Hours | | Waste Flow Rate | | Retention Time | | Storage Factor | Interceptor Size |
| | | X | | X | | X | = | |
| | Step #1 | | Step #2 | | Step #3 | | Step #4 | Step #5 |
| Step #6. Recommended Minimum Size Grease Interceptor. | | | | | | | | |

| | | | | | | | |
|-----------|--------------------------------|----------------|--------------------|---|----------------------------------|--------|--|
| 1. | Number of Meals Per Peak Hour | | | | | Notes: | |
| | Recommended Formula: | | | | | | |
| | Seating Capacity Enter Seating | X | Meal Factor | = | Number of Meals Per Peak Hour | | |
| | | | | | | | |
| | <u>Establishment Type</u> | | <u>Meal Factor</u> | | | | |
| | Fast Food | | 1.33 | | | | |
| | Restaurant | | 1.0 | | | | |
| | | Leisure Dining | | | 0.67 | | |
| | | Dinner Club | | | 0.5 | | |

| | | | |
|-----------|-----------------------------------------------------------|---------------|--------|
| 2. | Waste Flow Rate | | Notes: |
| | Condition: | Flow Rate | |
| | <input type="checkbox"/> A. With a Dishwashing Machine | 6 Gallon Flow | |
| | <input type="checkbox"/> B. Without a Dishwashing Machine | 5 Gallon Flow | |
| | <input type="checkbox"/> C. Single Service Kitchen | 2 Gallon Flow | |

| | | | |
|-----------|---------------------------------------------------|--|--------|
| 3. | Retention Time | | Notes: |
| | <input type="checkbox"/> Commercial Kitchen Waste | | |
| | Dishwasher 2.5 Hours | | |
| | <input type="checkbox"/> Single Service Kitchen | | |
| | Single Serving 1.5 Hours | | |

| | | | | |
|----------------------------------------------------|------------------------------------------------------|----------------|--|--------|
| 4. | Storage Factor | | | Notes: |
| | Kitchen Type | Storage Factor | | |
| | A. Fully Equipped Commercial Kitchen | | | |
| | Hours of Operation: <input type="checkbox"/> 8 Hours | 1 | | |
| | <input type="checkbox"/> 12 Hours | 1.5 | | |
| | <input type="checkbox"/> 16 Hours | 2 | | |
| | <input type="checkbox"/> 24 Hours | 3 | | |
| <input type="checkbox"/> B. Single Service Kitchen | | 1.5 | | |

| | | | |
|-----------|-----------------------------------------------------------------------------|--|--------|
| 5. | Calculate Liquid Capacity | | Notes: |
| | Multiply the values obtained from Steps #1 - #4. | | |
| | The result is the approximate grease interceptor size for this application. | | |

| | | | |
|-----------|----------------------------------------------------------------|--|--------|
| 6. | Select Grease Interceptor | | Notes: |
| | Using the approximate required liquid capacity from Step #5. | | |
| | Select an appropriate size as recommended by the manufacturer. | | |
| | MGSD requires a 750 gallon minimum size. | | |

| | | | | |
|-----|----------|------|------------------------------------------------|-------------------------|
| NO. | REVISION | DATE | STANDARD DETAIL FOR PUBLIC WORKS CONSTRUCTION | SECTION: DOUGLAS COUNTY |
| | | | GREASE INTERCEPTOR SIZING WORKSHEET | DATE: DRAFT |
| | | | | DWG: C11 |
| | | | | |
| | | | | |